Medium-Mu Triode— Beam Power Tube

DUODECAR TYPE

Electrical:	
Heater Characteristics and Ratings: Voltage (AC or DC)	volts amp
Peak heater-cathode voltage (Each unit): Heater negative with respect to cathode . 200 max. Heater positive with respect to cathode . 200* max.	volts
Direct Interelectrode Capacitances (Approx.):b	
Triode Unit: G_T to P_T	o.f
Input: G_T to (K_T, H) 2.2	pf of
Output: P_T to (K_T, H) 0.7	pf pf
Beam Power Unit:	ρı
$G1_B$ to P_B 0.34	pf
Input: G1 _B to (K _B +G3 _B ,G2 _B ,H) 11.0	pf
Output: P_B to $(K_B+G3_B,G2_B,H)$ 7.0	pf
Mechanical:	
Operating Position. Types of Cathodes	2.000" 1.188" ection T9 12-70)
Pin 6 - Beam Power Grid No.1 Pin 7 - Beam Power Grid No.2 Pin 8 - Beam Power Grid No.2 Pin 9 - Beam Power Cathode, Beam Power Grid No.3 Pin 10 - Triode Grid Pin 11 - Triode Cathode Pin 12 - Heater	<8 38 }T
Characteristics, Class A Amplifier $Triode$ Beam	
Unit Power Tube	
Plate Voltage	volts volts volts

Plate Resistance (Approx.). Transconductance. Plate Current	Triode Beam Unit Power Tube 8500 - 1700 ohms 2350 - 1400 μmhos 5.5 122 46 ma - 16.5 3.5 ma -11 volts25 volts	
VERTICAL-DEFLECTION OSCILLATOR		
Triode Unit		
Maximum Ratings, Design-Maximum Values:		
For operation in a 525-line, 30-frame system ^C		
Peak Negative Pulse-Grid Voltage Cathode Current: Peak	70 max. ma	
Average	20 max, ma 1 max, watt	
Maximum Circuit Values:	1 max. watt	
Grid-Circuit Resistance: For fixed-bias operation For cathode-bias operation	2.2 max.megohms	
VERTICAL-DEFLECTION A		
Beam Power Un		
Maximum Ratings, Design-Maximum Values:		
For operation in a 525-line, DC Plate Voltage		
Peak Positive—Pulse Plate Voltage	2000 max. volts	
Peak	70 max. ma 7 max. watts	
Maximum Circuit Values:		
Grid-Circuit Resistance: For fixed-bias operation	1 max. megohm 2.2 max. megohms	
 The dc component must not exceed 100 volb without external shield. This rating is applicable where the durat not exceed 15 per cent of one vertical so 30-frame system, 15 per cent of one vertical seconds. In stages operating with grid-leak bias sistor or other suitable means is requirabsence of excitation. 	ion of the voltage pulse does anning cycle. In a 525-line, l scanning cycle is 2.5 milli-	